



LONG BEACH MUNICIPAL URBAN STORMWATER TREATMENT PROJECT (LB-MUST)

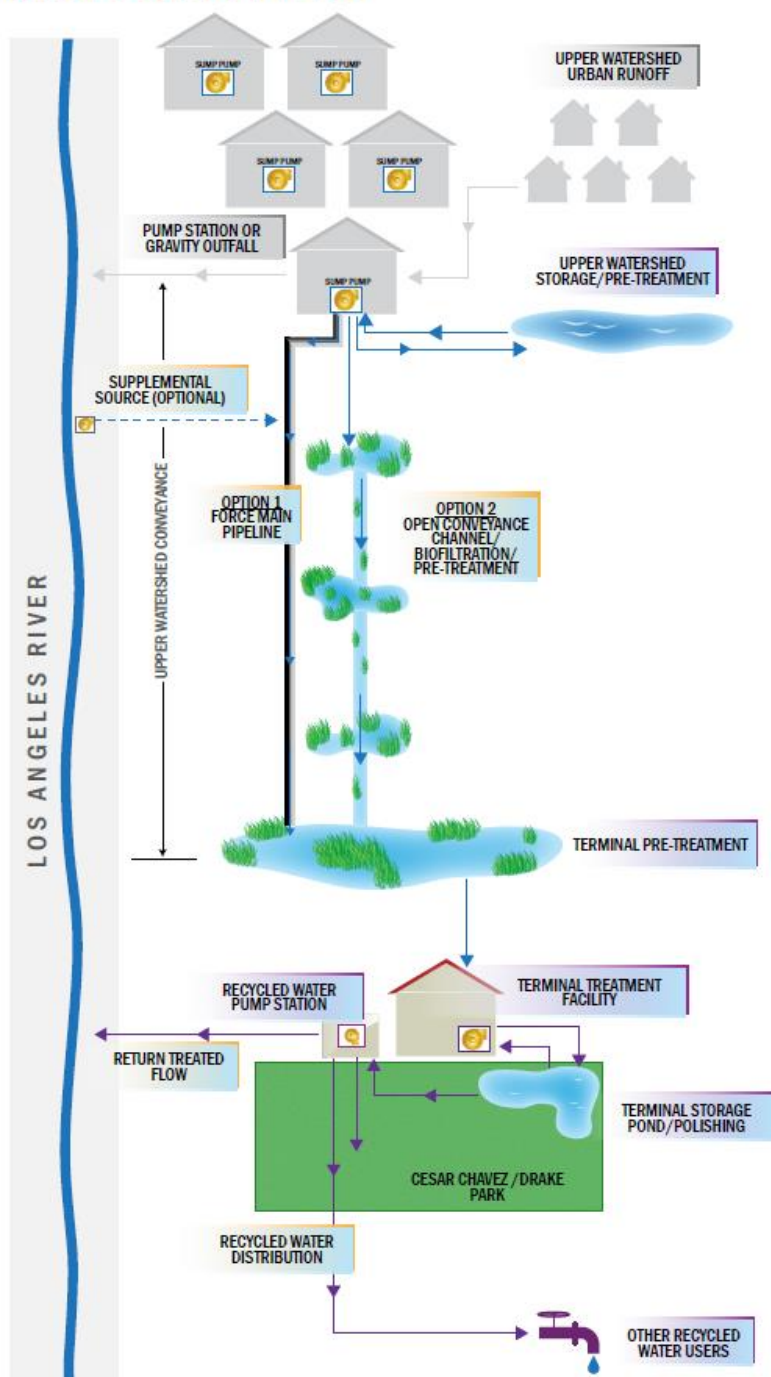
May 2021– Project Overview and Progress Updates



LB-MUST

Council District 1 – 5/17/2021 Community Meeting

- **Introduction** – Melissa
 - City of Long Beach: Melissa You (Stormwater Officer), Colin Averill (City PM)
 - Stantec: Ed Othmer
- **Project Overview** – Colin
- **Wetlands** – Colin
- **Vision and Neighborhood Connectivity** – Melissa
- **Latest Project Renderings** – Melissa
- **Project Updates** – Colin



Program Concept

LB-MUST is a Stormwater Treatment Program within the Lower Los Angeles River watershed

- **Three main components**
 - Intercept/Convey stormwater from existing Pump Stations
 - Stormwater Treatment at the LB-MUST Facility
 - Water Re-use
- **Water Treatment Goals**
 - Improve quality of stormwater discharged into LA River
 - Sustain wetlands habitat
 - Future opportunities for a recycled water source



**Treatment
Facility**

Stormwater Conveyance

**Outflow to
LA River**

**Wetlands
Water Reuse**

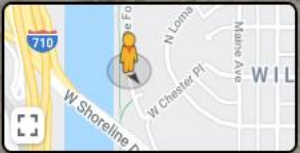
Conceptual Depiction – Not to Scale

823 De Forest Ave

Long Beach, California

Google

Street View



Google









Constructed Wetlands

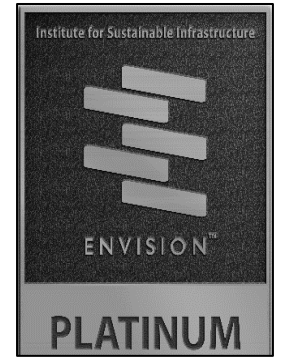
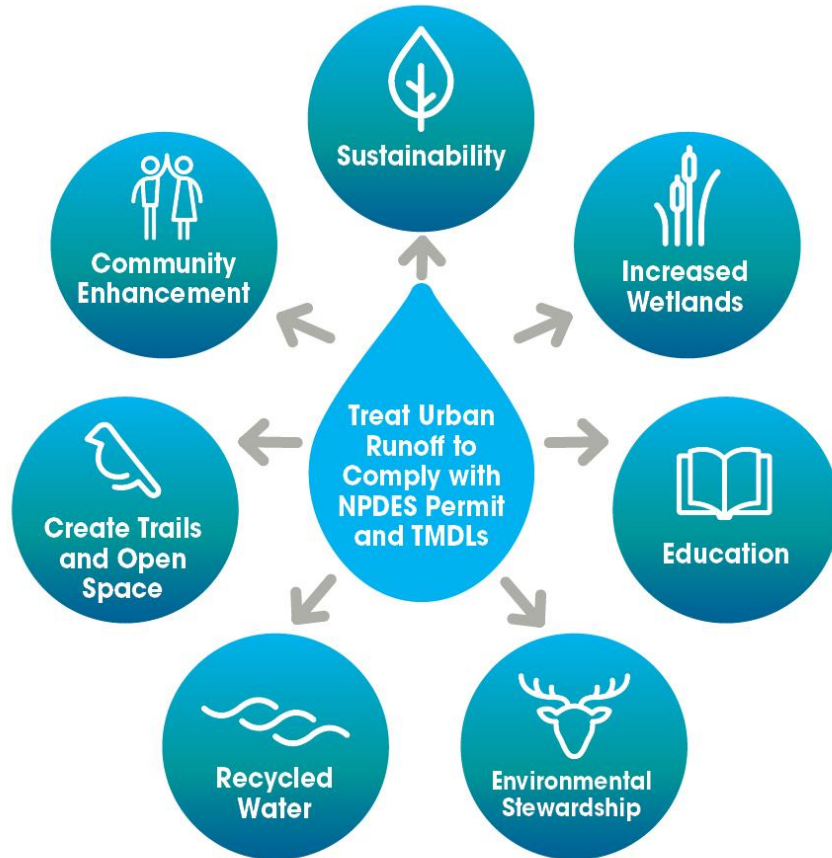
- 1 acre of brackish water wetlands
- Wetland design collaboration with Aquarium of the Pacific and Rivers and Mountains Conservancy
- Native compatible and drought tolerant planting
- Pedestrian path, greenspace and connectivity
- Pilot area for alternative irrigation water source

West Long Beach Integration Plan

LB-MUST • Shoemaker Bridge Replacement • Cesar Chavez Park • Drake Park • I-710 Corridor



Project Goals





LA River
Path

Drake Park

Future Connections
to Chavez Park

Willmore Neighborhood















Budget and Schedule

Phase 1 Budget = \$44 million

- \$28 million Caltrans
- \$10.8 million Measure W SCW
- \$2 million Prop 1 – RMC Round 1
- \$1 million Port of Long Beach
- \$1 million Measure A
- \$500,000 CA Coastal Conservancy
- \$428,000 City of Long Beach

Future Phases = \$150-\$200 million

Budgeted Activities

- **2020**
 - Street improvements, underground utilities, ground improvements, and equipment delivery
- **2021-2022**
 - Treatment facility construction, industrial building demolition, wetland construction, and initial conveyance
- **2022-2023**
 - Equipment installation, commissioning, startup, and acceptance
 - Wetland plant establishment
 - Construction completion





Progress Update

December 2020

- Completed: Street improvements, underground utilities, ground improvements, and equipment delivery

January 2021 – April 2021

- Final Design: Treatment Facility, Wetlands
- Advertise: Treatment Facility

May 2021 – Planned

- Award: Facility – Construct in Summer 2021
- Advertise: Wetlands – Construct Fall 2021

Progress Photos

Equipment Delivery



Progress Photos

Underground Utilities



Progress Photos

Street Improvements



Progress Photos

Ground Improvements





Thank You!

CITY OF
LONG BEACH

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